

Abstract

A regulating device (1) is used for the linear regulation of an actuating element (2) which is connected for movement to a ball spindle drive (3) for the conversion of a rotational movement into a linear movement, whereby the rotational movement onto the spindle drive (3) can be transferred by at least one motor (4, 5, 6, 7) via a gear unit (8, 9). In order to improve this type of regulating device such that an increase in the efficiency for the reduction of the dissipation is possible with a simple and compact construction and at the same time in particular avoiding high axial forces, the gear unit exhibits a self-locking, helically toothed spur-wheel gear (10) which is formed as a double helical gear (11, 12) with at least a first and second spiral-toothed gearwheel (17, 18, 19), whereby at least in each case one motor (4, 5, 6, 7) is arranged at both ends of the ball spindle drive (3) and each motor is connected for movement with a second spiral-toothed gearwheel (18, 19).